

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

FORM PTO-2022 (1-98)

*MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

	AS FILED	AFTER	1st AMENDMENT	2nd AMENDMENT	AFTER
	IND.	DEP.	IND.	DEP.	IND.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	*	*	*
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	*	*
10	*	*	*	*	*
11	*	*	*	*	*
12	*	*	*	*	*
13	*	*	*	*	*
14	*	*	*	*	*
15	*	*	*	*	*
16	*	*	*	*	*
17	*	*	*	*	*
18	*	*	*	*	*
19	*	*	*	*	*
20	*	*	*	*	*
21	*	*	*	*	*
22	*	*	*	*	*
23	*	*	*	*	*
24	*	*	*	*	*
25	*	*	*	*	*
26	*	*	*	*	*
27	*	*	*	*	*
28	*	*	*	*	*
29	*	*	*	*	*
30	*	*	*	*	*
31	*	*	*	*	*
32	*	*	*	*	*
33	*	*	*	*	*
34	*	*	*	*	*
35	*	*	*	*	*
36	*	*	*	*	*
37	*	*	*	*	*
38	*	*	*	*	*
39	*	*	*	*	*
40	*	*	*	*	*
41	*	*	*	*	*
42	*	*	*	*	*
43	*	*	*	*	*
44	*	*	*	*	*
45	*	*	*	*	*
46	*	*	*	*	*
47	*	*	*	*	*
48	*	*	*	*	*
49	*	*	*	*	*
50	*	*	*	*	*
TOTAL	50	52	52	52	63
TOTAL IND.	1	1	1	1	1
TOTAL DEP.	1	1	1	1	1
CLAIMS					

	AS FILED	AFTER	1st AMENDMENT	2nd AMENDMENT	AFTER
	IND.	DEP.	IND.	DEP.	IND.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	*	*	*
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	*	*
10	*	*	*	*	*
11	*	*	*	*	*
12	*	*	*	*	*
13	*	*	*	*	*
14	*	*	*	*	*
15	*	*	*	*	*
16	*	*	*	*	*
17	*	*	*	*	*
18	*	*	*	*	*
19	*	*	*	*	*
20	*	*	*	*	*
21	*	*	*	*	*
22	*	*	*	*	*
23	*	*	*	*	*
24	*	*	*	*	*
25	*	*	*	*	*
26	*	*	*	*	*
27	*	*	*	*	*
28	*	*	*	*	*
29	*	*	*	*	*
30	*	*	*	*	*
31	*	*	*	*	*
32	*	*	*	*	*
33	*	*	*	*	*
34	*	*	*	*	*
35	*	*	*	*	*
36	*	*	*	*	*
37	*	*	*	*	*
38	*	*	*	*	*
39	*	*	*	*	*
40	*	*	*	*	*
41	*	*	*	*	*
42	*	*	*	*	*
43	*	*	*	*	*
44	*	*	*	*	*
45	*	*	*	*	*
46	*	*	*	*	*
47	*	*	*	*	*
48	*	*	*	*	*
49	*	*	*	*	*
50	*	*	*	*	*
TOTAL	50	52	52	52	63
TOTAL IND.	1	1	1	1	1
TOTAL DEP.	1	1	1	1	1
CLAIMS					

CLAIMS ONLY

CLAIMS

APPLICANT(S)

SERIAL NO. FILING DATE